

Form 1449*	Docket Number: 9785980-0008	Application Number: 09/604,595
INFORMATION DISCLOSURE STATEMENT		
AS AN APPLICATION		
Applicant: Steven A. Gronemeyer et al.		Filing Date: 6/2/00
Group Art Unit 2734		

U.S. PATENT DOCUMENTS

EXAMINER	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3,604,911	9/14/71	Schmitt	235	181	
	3,975,628	8/17/76	Graves et al.	250	199	
	4,426,712	1/17/84	Gorski-Popiel	375	96	
	4,445,118	4/24/84	Taylor et al.	343	357	
	4,463,357	7/31/84	MacDoran	343	460	
	4,578,678	3/25/86	Hurd	343	357	
	4,667,203	5/19/87	Counselman, III	342	357	
	4,701,934	10/20/87	Jasper	375	1	
	4,754,465	6/28/88	Trimble	375	1	
	4,785,463	11/15/88	Janc et al.	375	1	
	4,809,005	2/28/89	Counselman, III	342	352	
	4,821,294	4/11/89	Thomas Jr.	375	96	
	4,890,233	12/26/89	Ando et al.	364	457	
	4,894,662	1/16/90	Counselman	342	357	
	4,894,842	1/16/90	Broekhoven et al.	375	1	
	4,992,720	2/12/91	Hata	320	23	
	4,998,111	3/5/91	Ma et al.	342	352	
	5,014,066	5/7/91	Counselman, III	342	352	
	5,018,088	5/21/91	Higbie	364	574	
	5,036,329	7/30/91	Ando	342	357	
	5,043,736	8/27/91	Darnell et al.	342	357	
	5,108,334	4/28/92	Eschenbach et al.	455	314	
	5,148,042	9/15/92	Nakazoe	307	65	
	5,153,591	10/6/92	Clark	341	51	
	5,179,724	1/12/93	Lindoff	455	76	
	5,202,829	4/13/93	Geier	364	449	
	5,225,842	7/6/93	Brown et al.	342	357	
	5,253,268	10/12/93	Omura et al.	375	1	
	5,276,765	1/4/94	Fremman et al.	395	2	
	5,293,170	3/8/94	Lorenz et al.	376	309	

EXAMINER: <i>Curtis Odon</i>	DATE CONSIDERED: <i>5/26/01</i>
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5,293,398	3/8/94	Hamao et al.	375	1	
5,297,097	3/22/94	Etoh et al.	365	226	
5,311,195	5/10/94	Mathis et al.	342	357	
5,323,164	6/21/94	Endo	342	357	
5,343,209	8/30/94	Sennott et al.	342	357	
5,345,244	9/6/94	Gildea et al.	342	357	
5,347,536	9/13/94	Meehan	375	1	
5,352,970	10/4/94	Armstrong II	320	39	
5,363,030	11/8/94	Ford et al.	320	13	
5,378,155	1/3/95	Eldridge	434	11	
5,379,224	1/3/95	Brown et al.	364	449	
5,396,515	3/7/95	Dixon et al.	375	208	
5,402,346	3/28/95	Lion, et al.	364	436	
5,402,347	3/28/95	McBurney et al.	364	443	
5,410,747	4/25/95	Ohmagari et al.	455	118	
5,416,712	5/16/95	Geier et al.	364	450	
5,418,818	5/23/95	Marchetto et al.	375	264	
5,420,593	5/30/95	Niles	342	357	
5,440,313	8/8/95	Osterdock et al.	342	352	
5,450,344	9/12/95	Woo et al.	364	449	
5,498,239	3/12/96	Galel et al.	604	95	
5,504,684	4/2/96	Lau et al.	364	443	
5,546,445	8/13/96	Dennison et al.	379	60	
5,548,613	8/20/96	Kahu et al.	375	208	
5,550,811	8/27/96	Kahu et al.	370	18	
5,568,473	10/22/96	Hemmati	370	18	
5,577,023	11/19/96	Marum et al.	370	16	
5,577,025	11/19/00	Skinner et al.	370	22	
5,592,173	1/7/97	Lau et al.	342	357	
5,594,453	1/14/97	Rodal et al.	342	357	
5,608,722	3/4/97	Miller	370	320	
5,623,485	4/22/97	Bi	370	209	
5,625,668	4/29/97	Loomis et al.	379	58	

EXAMINER: *Curtis Odean*DATE CONSIDERED: *5/26/04*

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IN AN APPLICATION

5,640,429	6/17/97	Michaels et al.	375	340
5,640,431	6/17/97	Bruckert et al.	375	344
5,642,377	6/24/97	Chung et al.	375	200
5,644,591	7/1/97	Sutton	375	200
5,649,000	7/15/97	Lee et al.	455	436
5,650,792	7/22/97	Moore et al.	343	725
5,654,718	8/5/97	Beason et al.	342	357
5,663,734	9/2/97	Krasner	342	357
5,663,735	9/2/97	Eshenbach	342	357
5,689,814	11/18/97	Hagisawa et al.	455	69
5,722,061	2/24/98	Hutchison IV et al.	455	245.1
5,734,674	3/31/98	Fenton et al.	375	207
5,734,966	3/31/98	Farrer et al.	455	63
5,737,329	4/7/98	Horiguchi	370	342
5,739,596	4/14/98	Takizawa et al.	307	66
5,749,067	5/5/98	Barrett	704	233
5,781,156	7/14/98	Krasner	342	357
5,784,695	7/21/98	Upton et al.	455	442
5,786,789	7/28/98	Janky	342	357
5,812,087	9/22/98	Krasner	342	357
5,825,327	10/20/98	Krasner	342	357
5,828,694	10/27/98	Schipper	375	208
5,831,574	11/3/98	Krasner	342	357
5,832,021	11/3/98	Kondo	375	200
5,841,396	11/24/98	Krasner	342	357
5,845,203	12/1/98	LaDue	455	414
5,854,605	12/29/98	Gildea	342	357
5,862,465	1/19/99	Ou	455	234.1
5,867,535	2/2/99	Phillips et al.	375	295
5,867,795	2/2/99	Novis et al.	455	566
5,872,540	2/16/99	Casabona et al.	342	362
5,874,914	2/23/99	Krasner	342	357
5,877,724	3/2/99	Davis	342	357

EXAMINER: *Curtis Olson* DATE CONSIDERED: *5/26/04*
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	5,877,725	3/2/99	Kalafus	342	357	
	5,881,371	3/9/99	Reynolds	455	83	
	5,883,594	3/16/99	Lau	342	357	
	5,884,214	3/16/99	Krasner	701	207	
	5,889,474	3/30/99	LaDue	340	825.49	
	5,903,654	5/11/99	Milton et al.	380	49	
	5,907,809	5/25/99	Molnar et al.	455	456	
	5,909,640	6/1/99	Farrer et al.	455	63	
	5,917,444	6/29/99	Loomis et al.	342	357	
	5,917,829	6/29/99	Hertz et al.	370	479	
	5,920,283	7/6/99	Shaheen et al.	342	357	
	5,923,703	7/13/99	Pon et al.	375	209	
	5,924,024	7/13/99	Ikeda et al.	455	313	
	5,926,131	7/20/99	Sakumoto et al.	342	357	
	5,936,572	8/10/99	Loomis et al.	342	357	
	5,943,363	8/24/99	Hanson et al.	375	206	
	5,945,944	8/31/99	Krasner	342	357.06	
	5,956,328	9/21/99	Sato	370	335	
	5,963,582	10/5/99	Stansell, Jr.	375	200	
	5,970,084	10/19/99	Honda	375	200	
	5,977,909	11/2/99	Harrison et al.	342	357.09	
	5,982,324	11/9/99	Watters et al.	342	357.06	
	5,987,016	11/16/99	He	370	335	
	5,991,309	11/23/99	Jensen et al.	370	492	
	5,991,613	11/23/99	Euscher et al.	455	277.1	
	5,995,537	11/30/99	Kondo	375	208	
	5,999,124	12/7/99	Sheynblat	342	357.09	
	6,002,362	12/14/99	Gudat	342	357.03	
	6,002,363	12/14/99	Krasner	342	357.1	
	6,002,709	12/14/99	Hendrickson	375	206	
6,009,551	12/28/99	Sheynblat	714	776		
6,016,119	1/18/00	Krasner	342	357.06		
6,023,462	2/8/00	Nieczyporowicz et al.	370	335		

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FOREIGN PATENTS							
EXAMINER INITIAL	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
C	WO 92/13392						
	WO 00/19644						
	EP 0639901 A2						
	EP 0639901 A3						
	JP 08/065205A						
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
C		D. J. R. Van Nee and A. J. R. M. Coenen, "New Fast GPS Code-Acquisition Technique Using FFT," January 17, 1991, <i>Electronics Letters</i> , Vol. 27, No. 2.					

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number	09/604,595
Filing Date	June 27, 2000
First Named Inventor	Steven A. GRONEMEYER, et al.
Group Art Unit	2734
Examiner Name	To be assigned
Attorney Docket Number	50048170-0009

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
DO		US-4,894,842	01/16/1990	BROEKHOVEN, et al.	
		US- 5,577,025	11/19/1996	SKINNER, et al.	
		US-5,623,485	04/22/1997	BI, Qi	
		US-5,640,431	06/17/1997	BRUCKERT, et al.	
		US-5,734,674	03/31/1998	FENTON, et al.	
		US-5,917,829	06/29/1999	HERTZ, et al.	
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Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
U		WO 97/14053	04/17/1997	Snaptrack, Inc.		

Examiner
Signature

Curtis Odum

Date
Considered

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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	09/604,595
		Filing Date	June 27, 2000
		First Named Inventor	Steven A. GRONEMEYER, et al.
		Group Art Unit	2734
		Examiner Name	To be assigned
Sheet	1	Attorney Docket No.	50048170-0009

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
Co		HOLM, Eric D. and WESTERFIELD, Edwin E., "A GPS Fast Acquisition Receiver," vol. 14, pages 214-218, The John Hopkins University Applied Physics Laboratory: National Telesystems Conference, New York, I.E.E.E., U.S., November 14, 1983	
C		LEVANON, N., and GETZ, B., "Comparison between linear FM and phase-coded CW radars" IEE, Proc.-Radar, Sonar Navig., Institution of Electrical Engineers, Vol. 141, No. 4, pages 230-40, August 1, 1994,	

Examiner Signature	Curtis Olson	Date Considered	5/29/04
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